

Please type a plus sign (+) inside this box → +

PTO/SB/05 Revised (11-00)

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 36507-193188

First Inventor John H. SOHL III

Title ENHANCED SUBSURFACE SCANNING SYSTEM, METHOD AND
COMPUTER PROGRAM PRODUCT

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 54]
preferred arrangement set forth below
- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,
or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 20]
5. Oath or Declaration [Total Pages 2]
a. ☒ Newly unexecuted (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
Named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76
- 6a. ☒ Priority is claimed under the provisions of 35 U.S.C. § 119
Appln No. 60/412,575 filed in the U.S. on September 23, 2002
Appln No. _____ filed in _____ on _____

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☐ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ paper
c. ☐ Statements verifying identity of above copies (stated in
Preliminary Amendment)

ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies IDS
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:

--This is a divisional of prior Application _____, filed _____, now allowed, and a continuation of prior Application _____, filed on _____, now
abandoned, the Disclosure of which is incorporated herein by reference.--

Prior application information:

Examiner _____

Group / Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied
under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

20. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label

26694

PATENT TRADEMARK OFFICE

or ☐ Correspondence address below

Name VENABLE

Address P.O. Box 34385

City Washington

State

D.C.

Zip Code

20043-9998

Country U.S.A

Telephone

202-962-4800

Fax

202-962-8300

Name (Print/Type)

Ralph P. Albrecht

Registration No. (Attorney/Agent)

43,466

Signature

Date

9/22/03

PC Docs No. 4859887

VENABLE
ATTORNEYS AT LAW

FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 543

Complete if Known

Application Number NEW APPLICATION
Filing Date HEREWITH
First Named Inventor John H. SOHL, III
Examiner Name unassigned
Group / Art Unit unassigned
Attorney Docket No. 36507-193188

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money ☐ Other ☒ None
Order

☐ Deposit Account:

Deposit
Account
Number
Deposit
Account
Name

22-0261

VENABLE ATTORNEYS AT LAW

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments
☐ Charge any additional fee(s) under 1.16 or 1.17 during pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	740	2001	370	Utility filing fee	370
1002	330	2002	165	Design filing fee	
1003	510	2003	255	Plant filing fee	
1004	740	2004	370	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 370

2. EXTRA CLAIM FEES

Total Claims	32	-20 **	=	12	X	9	=	108
Independent Claims	2	-3 **	=	0	X	42	=	0
Multiple Dependent					X		=	0

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$ 108

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	65
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	400	2252	200	Extension for reply within second month	
1253	920	2253	460	Extension for reply within third month	
1254	1,440	2254	720	Extension for reply within fourth month	
1255	1,960	2255	980	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,280	2453	640	Petition to revive - unintentional	
1501	1,280	2501	640	Utility issue fee (or reissue)	
1502	460	2502	230	Design issue fee	
1503	620	2503	310	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	740	2809	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	740	2810	370	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	740	2801	370	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 65

SUBMITTED BY

Complete (if applicable)

Name (Print/Type) Ralph P. Albrecht Registration No. Attorney/Agent 43,466 Telephone 202-216-8166
Signature *Ralph P. Albrecht* Date 9/22/03

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.
SEND TO: Commissioner for Patents, Washington, DC 20231.

VENABLE
ATTORNEYS AT LAW

PC Docs No. 485994

Attorney/LAA: RPA/ldg
 PTO Due Date: N/A
 DATE FILED: September 22, 2003

Venable Filing Number

Atty. Docket No: 36507-193188
 Title: ENHANCED SUBSURFACE
 SCANNING SYSTEM, METHOD AND
 COMPUTER PROGRAM PRODUCT

Application No: NEW APPLICATION
 Patent No.:
 Trademark:

Filing Date: September 22, 2003
 Issue Date:
 Trademark Reg. No:

Opposition/Cancellation No:

The following items were received from Venable, Washington, D.C., by the U.S. Patent & Trademark Office:

U.S. PTO FEES ENCLOSED

- ☒ Utility Transmittal Sheet
- ☒ Fee Transmittal Letter
- ☒ New U.S. Utility Application (54 pages of specification/32 claims/abstract)
- ☒ Formal Drawings
- ☒ (20 sheets for Figs. 1-3, 4A-4D, 5-7, 8A-8B, 9A-9C, 10A-10B, 11, 12A-12E)
- ☐ Invention Declaration
- ☐ Letter to Examiner
- ☐ Translation of International Application
- ☐ New U.S. TM Application (specimens)
- ☐ Rule 53(d) Continued Prosecution Application
- ☐ Letter Resubmitting Assignment
- ☐ Rule 53(b) Continuation or Divisional Application (*attach copy of specification, claims, drawings & declaration*)
- ☐ Priority Document-Cert. Copy of Appln.#: ; Country
- ☐ Date Filed:
- ☐ Request for Continued Examination (RCE) under 37 CFR 1.114
- ☐ Request for Reconsideration
- ☒ Application Data Sheet (5 pp.)
- ☐ Assignment w/PTO Form 1595 Cover Sheet
- ☐ IDS w/PTO Form-1449
- ☐ Amendment and Reply under 37 C.F.R. §§ 1.111 and 1.121
- ☐ ☐ Amendment/☐ Preliminary Amendment
- ☐ Petition/Request for Extension of Time (one mo. ext.)
- ☐ Notice of Appeal
- ☐ Appeal Brief (*in triplicate*)
- ☐ ☐ Reply Brief (*in triplicate*)/ ☐ Request for Oral Hearing
- ☐ Confirmation of Hearing Petition
- ☐ Issue Fee Transmittal
- ☐ Certificate of Correction
- ☐ Maintenance Fee Transmittal
- ☐ Power of Attorney
- ☐ Response to Notice to File Missing Parts
- ☐ Response to Notice to File Missing Requirements
- ☐ Response to Restriction Requirement
- ☐ Petition to Revive
- ☐ Sequence Listing - CDR Enclosed? ☐ Yes ☐ No
- ☐ Status Inquiry
- ☐ Copy of cover sheet submitted February 25, 2003 with date stamp filing receipt evidencing filing
- ☐ Request to Rescind Non-Publication Request
- ☐ A copy of the Notice of Non-Recordation of Document
- ☒ Return Postcard
- ☐ Other: (*Please describe below*)

Filing Fee
 Surcharge Fee
 Additional Claim Fee
 Recordation/Indexing Fee
 IDS Fee
 Extension Fee
 Notice of Appeal Fee
 Brief on Appeal Fee
 Oral Hearing Request Fee
 Petition Fee
 Issue Fee
 Publication Fee
 Maintenance Fee
 TM Statement of Use
 8 Affidavit Fee
 8 and 15 Affidavit
 TM Renewal Application Fee
 Notice of Opposition Fee
 TM Extension of Time Fee

0.00 Total Fees Paid

*If the Deposit Account was used, was a copy of this form sent to Accounting?

☐ Check Number Attached
☐ Charge Deposit Account No. 22-0261*
☐ Yes ☐ No

#486050